

Converting Colors

XYZ(63.8438, 60.4845, 31.7858)

Have a look what the booklet for
XYZ(63.8438, 60.4845, 31.7858)
contains.

XYZ(63.8016, 60.3595, 31.5804)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.8016, 60.3595,
31.5804)**

Conversions

Conversions Part 1

Format	Color
Hex	FDC088
RGB	253, 192, 136
RGB Percent	99%, 75%, 53%
CMY	0.0078, 0.2470, 0.4667
CMYK	0.00, 0.24, 0.46, 0.01
HSL	29°, 97%, 76%
HSV	29°, 46%, 99%
XYZ	63.8016, 60.3595, 31.5804
YIQ	203.8550, 54.3320, -4.4840

Conversions

Conversions Part 2

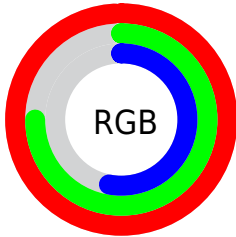
Format	Color
R _Y B	253, 243, 136
Decimal	16629896
CIE Lab	82.03, 15.23, 36.63
CIE LCh	82, 39.676, 67.419
Yxy	60.3595, 0.4097, 0.3876
Android (android.graphics.Color)	4294819976 (0xFFFD C088)
YUV	203.8550, -33.4525, 43.1002
Hunter-Lab	77.6914, 10.6276, 30.2835

Details

The XYZ color **63.8016, 60.3595, 31.5804** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.8484, 52.2565, 100.4930**, and the grayscale version is **57.4848, 60.4785, 65.8611**.

A 20% lighter version of the original color is **84.1017, 92.1125, 62.0621**, and **32.9763, 30.3022, 12.7052** is the 20% darker color. If you saturate the color by 10%, you get **59.4443, 54.1907, 22.2798**, and if you desaturate by 10%, it is **68.8458, 67.2229, 43.2047**.

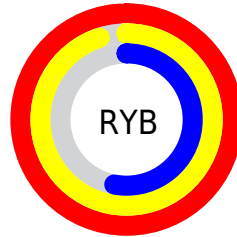
Distribution



Red (99%)

Green (75%)

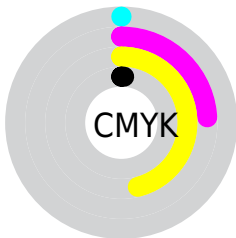
Blue (53%)



Red (99%)

Yellow (95%)

Blue (53%)

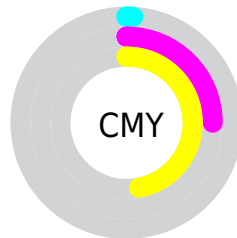


Cyan (0%)

Magenta (24%)

Yellow (46%)

Black (1%)



Cyan (1%)


Magenta (25%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8016, 60.3595, 31.5804 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 63.8016, 60.3595, 31.5804 by changing the saturation by 10% instead.


 63.8016, 60.3595,
31.5804

 63.8016, 60.3595,
31.5804


428.0864,
425.9216, 323.6370


 46.7511, 43.7085,
20.7790


 109.4005,
105.3510, 63.2430

 33.0460, 30.4414,
12.7729


 138.6796,
134.4602, 84.9412

 22.3211, 20.1739,
7.1435

 172.7656,
168.4910, 111.1089

 14.2110, 12.5215,
3.4722

212.0238,
207.8277, 142.1645

 8.3502, 7.0999,
1.3405

256.8196,
252.8547, 178.5266

 4.3735, 3.5246,
0.0946

307.5185,

 1.9156, 1.4114,

303.9565, 220.6136

0.0000

364.4856,
361.5173, 268.8443

■ 0.5859, 0.2251,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8016, 60.3595,
31.5804

■ 63.8016, 60.3595,
31.5804

■ 59.4443, 54.1907,
22.2798

■ 68.8458, 67.2229,
43.2047

■ 55.7323, 48.6822,
15.1375

■ 74.6064, 74.7963,
57.2955

■ 52.6258, 43.8090,
9.9714

■ 81.1162, 83.1052,
73.9881

■ 50.0771, 39.5403,
6.5674

■ 88.4046, 92.1710,
93.4068

■ 48.0285, 35.8404,
4.6594

94.3179, 99.6226,
108.8657

■ 47.3582, 34.5832,
4.1792

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.1855, 60.3595, 41.4189



63.8016, 60.3595, 31.5804



55.3083, 60.3595, 29.6809

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.8016, 60.3595, 31.5804



42.7906, 60.3595, 71.8806



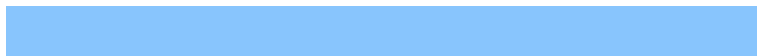
67.7605, 60.3595, 109.7574

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.8016, 60.3595, 31.5804



47.8484, 52.2565, 100.4930

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.4821, 60.3595, 123.1276



63.8016, 60.3595, 31.5804



45.4685, 60.3595, 98.0463

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.8016, 60.3595, 31.5804



43.7047, 60.3595, 49.5035



51.3856, 60.3595, 118.3867



73.6224, 60.3595, 85.1427

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.8016, 60.3595, 31.5804



50.2452, 60.3595, 32.6044



51.3856, 60.3595, 118.3867



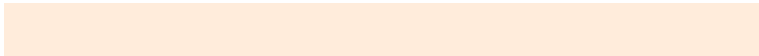
65.1381, 60.3595, 115.9587

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63.8031, 60.3624, 31.5816



84.1733, 86.6054, 79.5052



59.5517, 42.5872, 58.7502



17.6880, 18.1245, 16.1541



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8031, 60.3624, 31.5816



61.0246, 55.9009, 23.7179



78.8586, 90.4733, 36.6001



18.7267, 19.4217, 18.9061



25.3369, 18.6850, 2.2712



2.5756, 2.0365, 0.2573

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.8484, 52.2565, 100.4930



43.0418, 46.7567, 101.3641



37.2470, 31.0537, 96.9592



17.7865, 18.9447, 22.9692



13.9602, 12.8299, 51.1752



1.4687, 1.4681, 5.0192

Previews

White Background



This preview shows how the XYZ color 63.8016, 60.3595, 31.5804 looks on a white background.

Color Contrast Check

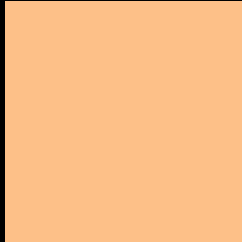
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 63.8016, 60.3595, 31.5804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

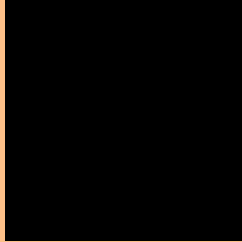
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8016, 60.3595, 31.5804

Background



This preview shows how black text looks on a background with the XYZ color 63.8016, 60.3595, 31.5804.



This preview shows how white text looks on a background with the XYZ color 63.8016, 60.3595,

31.5804.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

63.8016, 60.3595, 31.5804

Protanopia

56.2194, 60.4810, 33.9102

Deuteranopia

61.5445, 60.1920, 31.2961



Tritanopia

69.1077, 60.5013, 62.0684

Trichromacy



Original Color

63.8016, 60.3595, 31.5804

Protanomaly

58.9187, 60.4963, 32.9977

Deuteranomaly

62.3764, 60.2893, 31.2711

Tritanomaly

66.6927, 60.1719, 49.1735

Monochromacy



Original Color

63.8016, 60.3595, 31.5804

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

58.9152, 60.0928, 51.1417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8016, 60.3595, 31.5804 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(253, 192, 136)` looks like.

```
.text, #text, p{  
    color:rgb(253, 192, 136)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(253, 192, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 192, 136) }
```

Border

The CSS property to change the border of an element to XYZ 63.8016, 60.3595, 31.5804 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(253, 192, 136) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(253, 192, 136) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(253, 192, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 192, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 192, 136);  
box-shadow:4px 4px 4px 4px rgb(253, 192,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8016, 60.3595, 31.5804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 192, 136) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(253,  
192, 136) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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